

WHAT IS CLAIMED IS:

1. A bidirectional side dump trailer comprising:
 - (a) a wheeled frame having a forward end, a rearward end and opposite sides;
 - (b) first and second forward tub supports mounted on the opposite sides of the front portion of said wheeled frame;
 - (c) first and second rearward tub supports mounted on the opposite sides of the rear portion of said wheeled frame;
 - (d) a containment tub for receiving material to be dumped and having an open top and front and rear end walls;
 - (e) locking means mounted on opposite sides of said tub and said trailer for releasable securement of said tub to said frame;
 - (f) tub lifting means comprised of at least two power cylinders having lower ends pivotally secured to portions of said trailer and upper ends pivotally secured to the bottom of said containment tub.
2. A side dump trailer as described in claim 1, wherein said power cylinders are positioned so that said power cylinders define a front power cylinder with a top end forward of the bottom end of said front cylinder and a rear power cylinder with a top end that is rearward of the bottom end of said rear cylinder.
3. A side dump trailer as described in claim 2, wherein said wheeled frame further includes a plurality of transverse support struts extending between the opposite

sides of said frame, and whereby the bottom ends of said power cylinders are secured to at least one of said struts that is positioned generally medial of said frame.

4. A side dump trailer as described in claim 3, wherein said power cylinders are connected to said containment tub and said trailer by universal joints.

5. A side dump trailer as described in claim 4, wherein said locking means are associated with said forward and rearward tub support and coact therewith for releasably securing said tub to said trailer.

6. A side dump trailer as described in claim 5, wherein said locking means are associated with said forward and rearward tub support.

7. A side dump trailer as described in claim 6, wherein said locking means comprises locking pins mounted on one of the frame and containment tub and locking fingers mounted on the other of said frame and trailer, which fingers are pivotally movable from a closed condition securing said tub to said frame to an open condition allowing said tub to be moved with respect to said frame.

8. A side dump trailer as described in claim 7, wherein said front power cylinder is directed on an incline with respect to said frame and said tub in a forwardly direction and said rear power cylinder is directed on an incline with respect to said tub and said frame in a rearwardly direction.

9. A side dump trailer as described in claim 1, wherein said power cylinders are positioned so that said power cylinders define a front power cylinder with a

top end rearward of the bottom end of said front cylinder and a rear power cylinder with a top end that is forward of the bottom end of said rear cylinder.

10. A side dump trailer as described in claim 1, wherein said power cylinders are in longitudinal alignment with one another with respect to said trailer and are located beneath said containment tub whereby said cylinders are in an inclined relationship with said tub and said trailer so that the lifting force applied by said cylinders on said tub has both vertical and horizontal components.